

In the Claims:

1.(Cancelled)

2.(Cancelled)

3.(Cancelled)

4.(Cancelled)

5.(Cancelled)

6.(Currently Amended) A transducer comprising:

a mechanical resonator that exhibits a resonance characterized by a quality factor  $Q$ , and a center frequency  $f_0$ , wherein the center frequency is located between a first note on a musical scale denoted by  $f_1$ , and a second note on the musical scale denoted by  $f_2$  that is directly adjacent to the first note  $f_1$ , and  $f_0$  a second note on the musical scale that is directly adjacent to the first note, and the  $Q$  have a vibration response of the mechanical resonator at each of the first note  $f_1$  and the second note  $f_2$  respectively that is at least 6dB below the maximum vibration response of the mechanical resonator at  $f_0$  of the mechanical resonator is sufficiently high so that, the center frequency in combination with the  $Q$  results in a relative response of the mechanical resonator at each of the first note and the second note that is at least 6 dB below a relative response of the mechanical resonator at the center frequency.

7.(Original) An apparatus comprising the transducer recited in claim 6 and further comprising:

one or more electrical circuits for applying drive signals to the transducer that include musical melodies, and vibration drive signals for exciting the resonance.

8.(Original) The transducer according to claim 6 further comprising:  
a piezoelectric transducer motor.

9.(Original) The transducer according to claim 6 wherein:  
the mechanical resonator comprises:  
a beam including a first end adapted for securing to a mounting boss  
and a second end; and  
a mass attached to the second end of the beam.

10.(Original) The transducer according to claim 9 wherein the beam comprises a piezoelectric material.

11.(Original) The transducer according to claim 6 comprising:  
a solenoid; and  
a magnetized ferromagnetic member located proximate the solenoid.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15.(Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19.(Cancelled)

20.(Cancelled)

21.(Cancelled)

22.(Cancelled)

23.(Cancelled)

24.(Cancelled)